

# Mustafa A. Ahmed

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Software Engineer || .Net Developer || Web Developer || Back-end Developer

## Skills

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- C# | .Net | .Net Entity Framework | ASP.NET Identity | C++ | Java | Java Servlet | Spring Boot | JDBC | Spring Security | JWT | Spring Data JPA | Spring RestAPI | Docker | Git | GitHub | HTML | CSS | Bootstrap | JavaScript | PHP | MySQL | MongoDB | NoSQL
- Agile | Linux | OOP | Data Structures | Algorithms | SOLID Principles | Design Patterns
- Problem-solving | English, Arabic – *All professional proficiency or above*

## Experience

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### .Net Backend Intern

### Misk for Technological Solution

*El-Qusier, RS, EG*

- Worked as a .net Backend Intern on some desktop and web projects.

### Member in the Scientific Committee

### HUN Scientific Committee

*Hurghada, RS, EG*

- Worked as a member in Scientific Committee in Computers and AI Collage in South Valley University.

### Consistent and Problem Solver

### ECPC Community

*Hurghada, RS, EG*

- Guiding individuals gearing up for coding contests and aiding over three-quarters of college students in readying for coding competitions.

## Education

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### Bachelor in Computer Science and AI

### Faculty of Computers and AI in Hurghada

*Hurghada, BA, EG*

**10/2021 - 07/2025**

- South Valley University
- Computer Science Department
- 3.67 GPA (Excellent)

## Projects

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### • Auxo | Comprehensive Online Shopping Platform (.NET MVC)

Crafted with robust .NET MVC architecture, E-CommerceMVC offers a seamless online shopping experience. This platform integrates essential e-commerce features, ensuring a user-friendly interface and efficient backend processes.

#### Features:

- **Product Management:** Comprehensive product listings, including details, categories, and images, all efficiently managed through an intuitive interface.
- **Shopping Cart:** Users can add, remove, and view items in their cart with real-time updates.
- **Order Processing:** Smooth checkout process with secure payment gateway integration.
- **User Authentication:** Secure login and registration system using ASP.NET Identity.

#### Technology Stack:

- .NET MVC | ASP.NET Identity | Entity Framework | SQL Server | Bootstrap | jQuery | HTML5/CSS3

Project Link: [Github link](#)

### • Muse Do | To Do List Application (Java):

Boost your productivity with Muse Do, a user-friendly to-do list application built in Java.

#### Features:

- **Effortless Task Management:** Effortlessly add new tasks to your list.
- **Mark it Done:** Mark completed tasks as finished.
- **Stay Organized:** View all your tasks in a convenient list.
- **Save and Exit:** Peace of mind knowing your tasks are securely saved in a text file, even after you exit the application.

#### Technology Stack:

- Native JAVA | JAVA FX | OOP | Data Structure

Project Link: [Github link](#)

### • Web Viewer Mobile App (JAVA):

#### Features:

- lets you view websites directly within the app, like a simple browser for one site.

#### Benefits:

- It offers a faster and more focused way to access a favorite website on your phone.

#### Technology Stack:

- Android Studio | JAVA

Project Link: [Github link](#)

- **Gold and Silver Currencies API (JAVA):**

This Java project provides a user-friendly interface to retrieve real-time gold and silver prices in various currencies using an external API.

**Features:**

- **User Input:** Prompts the user to enter a valid currency symbol .
- **API Integration:** Connects to a reputable gold and silver prices API to fetch current spot prices.
- **Output:** Displays the gold and silver prices formatted appropriately for the chosen currency (e.g., including decimals, currency symbols).
- **Error Handling:** Validates user input for supported currency symbols and gracefully handles potential API errors or network issues.

**Benefits:**

- **Convenient Price Lookups:** Allows users to easily access up-to-date gold and silver prices in their preferred currency.

**Technology Stack:**

- JAVA | Eclipse IDE | API

- **Planning and Mapping Robot:**

This project details the creation of a **DIY mapping robot** constructed with an Arduino Uno, ideal for exploring and understanding indoor environments.

**Mapping on the Move:**

- As the robot navigates using its DC motors, it continuously gathers data from the ultrasonic sensors. This data is processed by the Arduino Uno to create a **basic 2D map** of the explored space, focusing on identifying potential obstacles.

**Benefits:**

- **Identify Obstacles:** Visualize your indoor environment with a robot-generated map, highlighting potential obstacles for safe navigation.

**Technology Stack:**

- Arduino IDE | C++

## Others

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- **Consistent** certificate in **ECPC 2022**.
- **Member** certificate in **the Scientific Committee of Computers and AI Collage in Hurghada**.